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THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

M E M O R A N D U M

889-15

TO: Harry R. Pool, Jr., Supervisor, Environmental Programs
FROM: David W. Platt
DATE: August 7, 1986
SUBJECT: ASBESTOS FIREPROOFING IN THE MECHANICAL EQUIPMENT ROOM

COPY TO: N. Budeiri, R. Fagin, M.D., R. Linn, D. Montalbano, V. Strom

cc Boyce - Fyj. Copy sent F-IV FYI Asbestos - Public Safety

Because of the ramifications of our discovery of asbestos fireproofing in the Mechanical Equipment Rooms (MER) of Two World Trade Center, I conducted a X-ray diffraction (XRD) study of a randomly selected sample to confirm the optically based identification of chrysotile asbestos.

A sample from the 7th and 8th floor MER was processed and examined using XRD. A sample of standard chrysotile asbestos was also subject to the same procedure. Both the sample and the standard showed a primary diffraction maxima at 12.08 degrees 2-theta and a secondary maxima at 24.38 degrees 2-theta. This is in agreement with the criteria from NIOSH method 9000 for the identification of chrysotile asbestos. Copies of the diffractograms are included.

This study provides unambiguous confirmation of the presence of asbestos in Two World Trade Center.

If I can be of any further assistance, please contact me at PATHside 201-963-7486.

David W Platt

David W. Platt
Environmental Programs Specialist
Inspection and Safety Division

DWP/daw

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ENGINEERING DEPARTMENT

PLAINTIFF'S EXHIBIT
PX-687

SPECTRUM SCAN: 123
SEGMENT #1 OF 1
RANGE COVERED:
TWO THETA: 10 TO 35 DEGREES.
SPACING: 8.8348 TO 2.5606
1250 STEPS OF.02 DEGREES.

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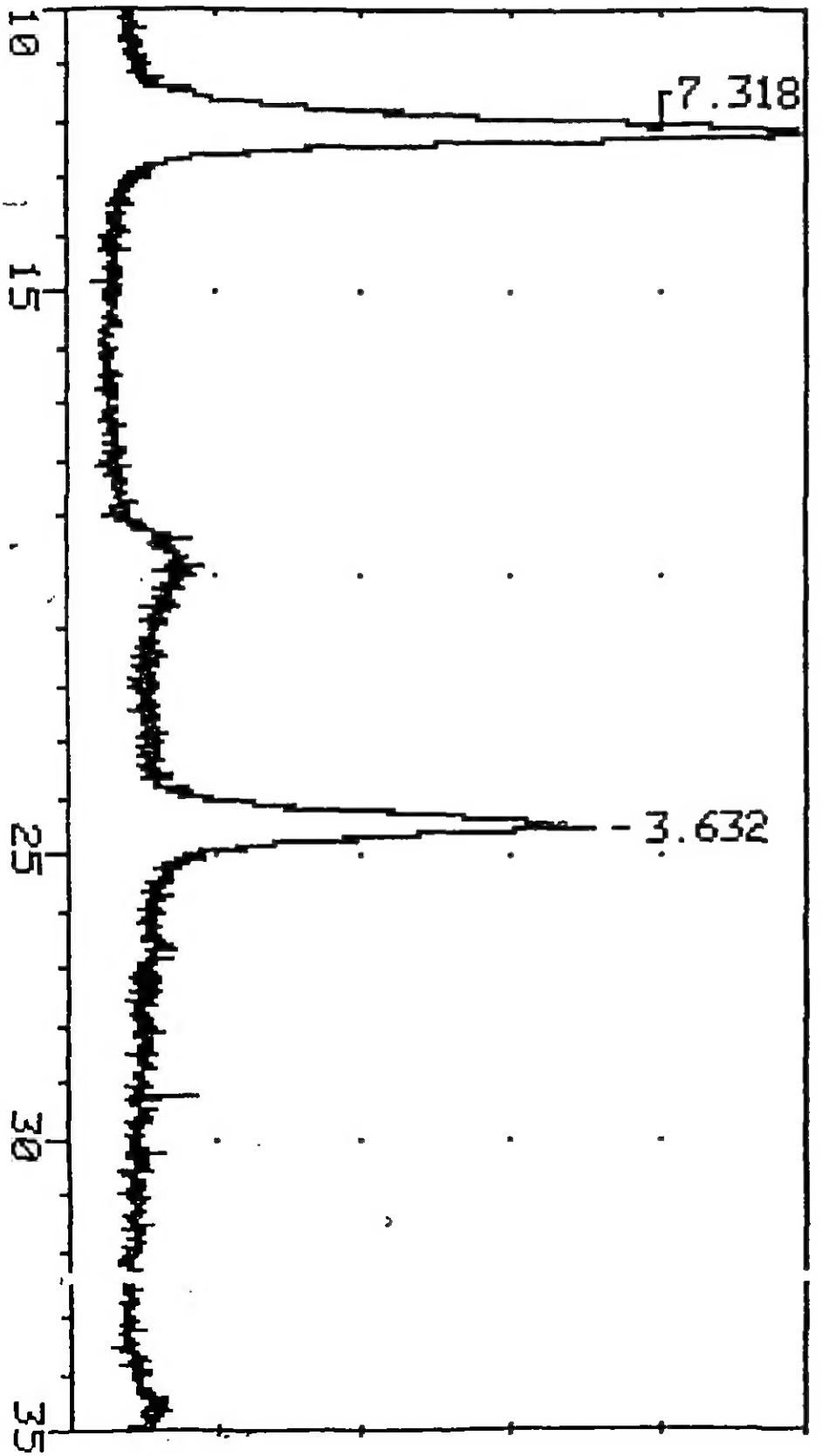
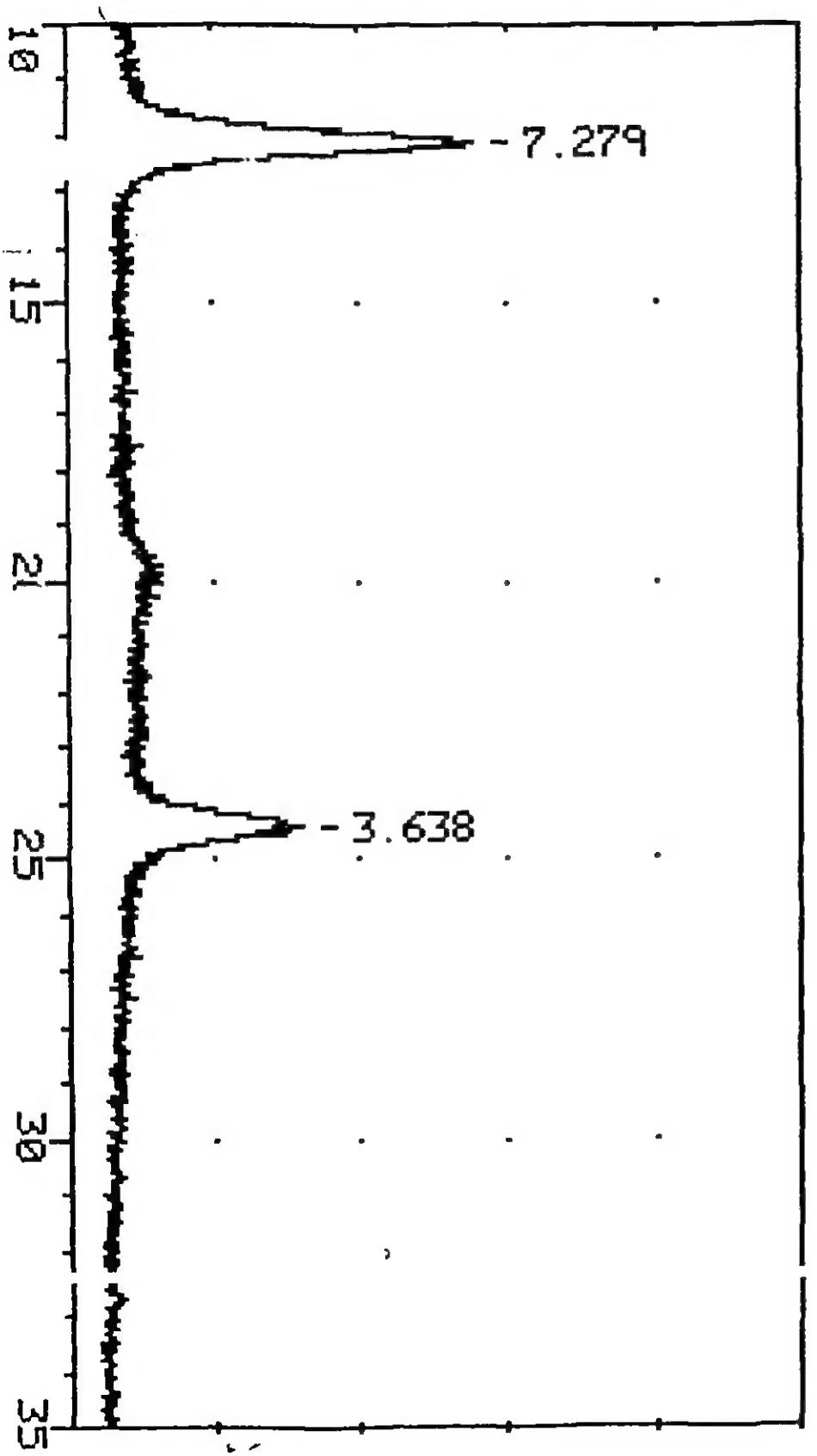
-<= 0 INTENSITY (CPS) SCALE 1000 =>



SPECTRUM SCAN: STDCHRY

SEGMENT #1 OF 1
RANGE COVERED:
TWO THETA: 10 TO 35 DEGREES.
D-SPACING: 8.8348 TO 2.5606
TH 1250 STEPS OF.02 DEGREES.

<= 0 INTENSITY (CPS) SCALE 2000 =>

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